# „Power Punch“

12VDC
Mini Jump Start

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## USER MANUAL

for device variations

**JPR 9000 P, JPR 4500 P, JPR 4500 6V, JPR 2600 P, JPR 1800 P**
**mit 5V USB 2.0 Power Outlet 2000mA**

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## 12VDC
## Mini Jump Start

### Handling the Unit

**1** jumper cable connector
**2** Function Control
**3** battery charged green
**4** battery - Pliers
**5** USB output
**6** Power on / off switch
**7** start switch
**8** side lighting
**9** Warning Blinker

**4 battery - Pliers**
**1 jumper cable connector**
**2 Function Control**
**8 side lighting**
**9 Warning Blinker**
**3 battery charged green**
**5 USB output**
**7 start switch**
**6 Power on / off switch**



**Read this manual before using the device, very carefully and keep it in order once needed even for disclosure to third parties, at any time for future reference.**
**Charge 12 hours before first use. For 12V systems only, except JPR 4500 6V for 6V-board systems.**

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Please observe the following safety instructions.

### 1 General Safety - IMPORTANT -

The axhess GmbH & Co.KG, Industriestrasse 11, D-56598 Rheinbrohl, Germany, is not liable for damage or consequential damage caused due to non-observance of this manual. To property or personal injury and caused by not following the instructions or improper use of the device, we assume no liability. In such cases, the warranty becomes void. Particularly the unauthorized intervention, alteration or modification of the device or its accessories, is expressly not permitted. The device must only be charged with the supplied charger or 12V charging cable.

The warranty is void if:

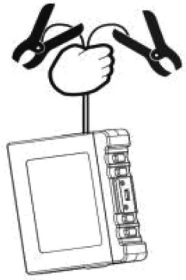
- Equipment damage due to mechanical influences and / or overvoltage.
- Any change to the connecting cables, output cables and other accessories.
- Use for others, as described in the instructions purposes.
- Fluid action and / or appropriate storage instructions.
- Consequential damages due to the improper use and / or defective Batteries may arise.

Operate the device only as intended according to its use.
Make sure that when you are dealing with the product is not crushed the charging and booster cables or damaged by sharp edges.

Always place and use the jump start unit in the vicinity of combustible or flammable materials, or hazardous environments, such as Gasoline, thinner, oil, gas or other solid, flammable materials.

Do not expose the start device is not high or very low temperatures, strong vibrations or humidity.
Always look for a safe placement of the device! The start device must be securely installed / placed so that it does not fall down or fall over.
The device is not a toy. It does not belong in the hands of children.
In industrial facilities, the safety regulations of any relevant professional association are observed.
**Caution!** Working in the vicinity of lead-acid batteries is dangerous! Batteries emit explosive gases during operation and loading at startup help! Always suitable clothing, gloves and safety goggles when working on a battery!
Battery acid is corrosive! Possibly. Thoroughly acid splashes immediately with plenty of water and seek medical advice. If battery acid gets in the eyes, immediately wash out at least 10 minutes under running water, seek medical attention.

Never smoke near the battery, or use open flames, sparks and avoid sparks!
With the included charger only this start device must be loaded. Do not use another charger to charge the booster unit. The use of accessories or attachments, that are not recommended by the manufacturer may cause damage to the unit or injury to personnel, and! In addition, the warranty expires!



To avoid damage to the terminals and the instrument, never pull on the cable, always using connector / terminal disconnect the jumper connection.
The charging and jump start cables must be in good condition. Lines are damaged, do not use start device. First device repaired by an authorized technician.
Any flammable objects such as Leave candles on the apparatus. No objects filled with liquids, such as Water containers, beverage containers on the device or turn around. Only undamaged batteries support. Ensure a sufficient level of liquid in the battery (open lead-acid batteries). Note the Hinwiese the battery / vehicle manufacturer. These can be found in the accompanying document, the log of your vehicle. Or, contact the battery manufacturer. Never remove the battery clamps while jump starting! Not short circuit terminal clamps! First connect to the battery terminal clamps in the correct polarity, then hitting jump start switch. Clean the battery terminals and connectors on the vehicle only.
Work. For your protection and security are not alone or at least so that another person is always within calling distance Personal metallic objects (such as rings, cuffs and necklaces, watches) before working on the starter Remove the battery to prevent accidental short-circuit Short-circuit voltages as Melt rings and so cause severe burns.



## 2 Scope of delivery

1 start device
1 Charger 230V / 12V
1 Car Charger 12V (not included with JPR1800)
1 set of jumper cables with connectors
1 storage bag
1 12V connection cable (only device JPR9000)
1 User manual
1 Fully recyclable retail packaging.

## 3 Intended use

This jump starter provides additional support for the 12V vehicle battery startup problems in vehicle engines. As far as this by a weak or defective
Vehicle battery caused. The start device can not replace the vehicle battery.
Use the start device not as a starter battery replacement, EXPLOSION!
Connect the start device exclusively with the battery. No contact with the
Making body! The vehicle electrical system could be damaged.
Do not let the booster unit and do not burden the body with additional devices
Weight, you put the device to shock or severe vibration, protect the unit from heating up, put the device or check the device in flames, keep it always dry, submerge it in liquids one, pour never spill liquids on the start device. LIONS EXPO DANGER!
Use of the booster unit is permitted only in dry areas or dry conditions. Contact with moisture, such as fog, rain, snow, Kondensnässe etc. must be avoided. Any use other than that described above will damage the product and is also associated with dangers like short-circuit, burns, electric shock, etc.. The entire product and its accessories may not be changed or modified, the device housing not be opened! Observe these safety instructions!

## 4 Technical Features / Amenities

This start device is equipped with a high quality lithium battery. The device can be as light and compact, use anywhere to help launch or as a power charger for USB devices. Avoid high ambient temperatures. Lithium batteries should be kept cool. Overheated up vehicle interiors and high ambient temperatures should be avoided. Store the device therefore not in the vehicle. Minus ambient temperatures have a significant influence on the battery capacity. This is greatly reduced in cold weather. Therefore, do not store or winter, the start device in the vehicle.
The input voltage of the supplied charger voltage corresponds to the household. (230V AC 50Hz) Output power is 1A.
Finally, always use the power values __of the jumper and the connected device to support battery. (See table in the appendix to use this manual) Only rechargeable 12V lead-acid batteries are supported! The jump starter is suitable for all lead-acid for GEL, AGM and - batteries. Depending on the device version for 6V or 12V batteries. Other types of batteries and battery voltages must not be connected to the emergency starter.

Lithium batteries are subject to minimal self-discharge. Every 6 months later than the start device is to be loaded in order to avoid a full discharge of the battery device. Possible damage to the start device which arise due to full discharge or overheating is not in the warranty. Store the start device always in a cool environment at about 15 ° C to 20 ° C Vehicles often feature electronic electrical facilities. These can be damaged by high rise surges and spikes. Please read carefully before you connect the device to a vehicle, the manual of the vehicle, whether a jump-start aid is permitted. Note before connecting the safety warnings in this manual and your vehicle and battery manufacturer this unit to a 12V car battery. Note the warning symbols on start device!

**4.1** This jump starter is fully automatic. There is only from jumpstart power when the power switch first and then Jump Start switch was activated and recognizes a corresponding resistance (car battery). The jumper cables remain without power supply while the device is not connected to a 12V vehicle battery and the switch is not pressed. Connect the device only to jump start the battery terminals. The start device never connected to the vehicle body! Exclusively connect to the battery in the correct polarity!

**The start device has several protection mechanisms:**
Overcharge protection / under voltage protection Overload the lithium battery is prevented by the charger. At too low a charge of the battery, the device switches off automatically.

**Spark protection.**
In mutual contact and terminal clips no sparks are generated.
Reverse polarity protection Connecting them incorrectly, confusing the polarity, the device switches off immediately. The battery and the start device will be protected.

**Overheating protection**
The device switches off automatically when the max. Operating temperature is exceeded the device housing. It automatically turns on again when it has cooled down accordingly.

### 4.2 Features

1. Fire retardant plastic housing
2 Automatic shut off to save energy. Approx. 5 seconds after starting a car engine.
3 High-start performance, high power reserve for USB devices
4 Integrated emergency work light side of the housing
6 Spark protection
7 Reverse polarity, short circuit protection.
8 Automatic undervoltage lockout integrated devices battery
9 Overheat protection, automatic shutdown in case of overheating of the device
10th Convenient connectors for jumper cables
11th Depending on the ambient temperature, up to 10 start-up aid in succession with a batterycharge possible.
12th 5V 2000mA USB 2.0 output, for operating or charging USB device.
13th Lithium battery with high life expectancy by following the instructions.
14th LED Warning light , LED side light (worklight)
15th Cable with OBDII connector (only with JPR9000)
16th By removable caps from dust and moisture-proof equipment outputs



### 4.3 LED Funktionskontrolle und Ladestatus

| | |
|---|---|
| Rot bis Grün an<br>0% 100%<br>RED ORANGE YELLOW **GREEN** | After pressing the ON OFF button lights up the spectrum. It disappears after about 3 seconds.<br>By pressing the SOS button is lit again, and the spectrum shows the current charge level of the jumper device. Green 81-100% jumpstart function OK. |
| 0% 100%<br>RED ORANGE **YELLOW** GREEN | Yellow LED lights 61 - 80% charged.<br>jumpstart function OK. |
| 0% 100%<br>RED **ORANGE** YELLOW GREEN | Orange LED lights, 41 - 60% charged. Every 6 months, the unit should be charged and to prevent a discharge damage to the device battery. Jumpstart function OK but limited power. |
| 0% 100%<br>**RED** ORANGE YELLOW GREEN | Red LED lights 21 - 40% charged. Red LED flashes on the instrument housing laterally loaded below 20%. If the red box is on, the start device must be charged! ORANGE or RED lights illuminated, the device can not be used to jump-start! Device deactivated. Recharge soonest. |

## 5 Connection / Operation in single steps:

### 5.1 Before starting aid

- Make sure the log book of the vehicle manufacturer if a jump start is permitted.
- Wear suitable protective clothing.
- Clean the terminals (battery terminals and cable connections) before the start.
- In open batteries: Fill in distilled water until the level specified by battery manufacturer is reached. For maintenance-free batteries, please follow exactly the instructions of the battery manufacturer.
- Make sure that the start device is fully charged. (Power LED Green)
- Connect to the battery - first the red terminal clamp to the positive terminal (+), then the black binding post (). The correct sequence!
- Make sure that the battery terminals are securely connected to the battery terminals before Press the start help function!
- Make sure that all electrical consumers of the vehicle are turned off or disconnected from the electrical system! Also include the interior, Motorrau or trunk lights, radio, navigation, driving and parking lights, hazard lights, ventilation, heated seats, etc.
- Make sure that the vehicle circuit is idle, no gear is engaged.
- The hand brake is on! The vehicle is secured against rolling.
- Take care that no clothing jewelry, body parts, charging cable caught in the vicinity of rotating engine parts.
- Upon completion of the jumpstart process, first disconnect the black jumper cable from the battery first and then disconnect the red cable from the battery. Observe the sequence!

### 5.2 Position of the jumper device

The start device, as far as the cable length allows, connect the battery removed. The jumpstart Never place directly over or under the vehicle battery. From the battery leaking gas or fluids could damage the start device. Start device should not be placed on the engine block. Place the unit so that it can not fall or overturn.

### 5.3 jumpstart

Make sure before you use the-start device on the charging stand. The start device should be fully charged for the booster to achieve best possible results.

Check the charging stand at the start device: Press the switch. After the rainbow spectrum is gone, only the green LED is lit, press the SOS Switch for about 3 seconds. The illumination of the control function displays the charge level of the battery. (See above 4.3.) Turn off the power to the switch again.

The jumpstart success depends inter alia from the fact that the start device is loaded when used. In extreme cold thicken engine and transmission oil. This may mean that you need multiple attempts for a successful start. Even a healthy car battery is suffering from extreme cold. The vehicle battery can freeze at approximately -25 °. Never attempt to support a frozen starter battery via jumper, EXPLOSION! Similarly, the condition of the vehicle battery to be supported, as well as their current performance plays a major role. Dead or defective vehicle batteries can not replace the start device, but may still be successfully start. It can deliver despite its small size, considerable current strengths that allow a rule to start a car. (See the appendix to this manual see the overview, which start device for which vehicle)

In extremely cold outdoor temperatures (from -10 ° C), it is advisable to store the start device in a heated room and charge about 30 minutes before use. It is possible then that the vehicle can be started at low temperatures immediately. Close the start device as above described to the battery, turn on, as described above, the mode, wait about 3 minutes. Then try to start the first aid procedure. You will possibly need several attempts. Take no more than a maximum of 10 tests with a load! After the jump start charging device.

**5.4** **Connecting the jumper cables:** Connect the plug with the jumper cables to the start device. Press the power **(ON OFF)** switch. The function key lights. After about 3 seconds the green LED is on (on a fully charged start device).

Connect the jumper cables to the unit with the supporting battery.

**1** The red terminal of the booster unit to the **PLUS - (+)** pole of the battery.

**2** The black clamp to the **NEGATIVE - terminal (-)** of the battery.

**3** Make absolutely sure that the clamps of the jumper device as described previously, are connected to the battery. Never confuse the connections. This may result in damage to the unit and or jump-start the vehicle battery or the vehicle electrical system.

**4** Press the power switch to the start device **ON**.

**5** To activate the help function, press the Jump Start switch. The booster function is now enabled. Here, the short-circuit protection of the jumper device is disabled. Incorrect wiring (polarity reversal), the red LED lights up. In such case first of all correct the connection! Otherwise, in case of wrong connection, it will damage the booster unit. This is not covered in the warranty. Make sure before you activate the jump start function to the correct terminal of the booster unit.

**6** Starting the vehicle If all connections are correct, the booster function is enabled, start the vehicle. Generally, the engine will start immediately. At very low temperatures (p.5.3), several tests may be necessary. Is the jump start procedure was unsuccessful, turn off the start device OFF. First, check the connections. Turn the power back ON.



For example defective, dead battery, hold the JumpStart switch for 5 seconds. Thus, the jump start feature is turned on permanently, the short-circuit protection is deactivated. Therefore, you pay attention to the correct polarity! Repeat the jump start procedure. If the engine does not start, turn off the start device. Wait about 30 seconds until the next jump start attempt. This pause is necessary to regenerate the lithium battery jump start unit. Take then a restart operation of the vehicle. Once the vehicle engine is running under its own power, the engine running.

**7** Remove the battery, the black jump lead from the first **MINUS - Pol (-)**.

**8** Then remove the red wire from the battery. Note sequence. Turn off the start device by pressing the switch **OFF**.

### 5.5 Changing the battery on the vehicle. For model JPR 9000, use of the cable:

This cable is used for preservation of data stored in the vehicle (navigation, on-board computer, etc.) for example Battery change. Or for other reasons, the power supply of the vehicle is interrupted.

Connect the cable to the 12V Car Memory output of the booster unit. This is the side of the start device. Remove the protective cap on the device, insert the Memory Kable 12V plug in the 12V output.

**Now open the OBDII Coverage**

If the vehicle to which the power supply is to be interrupted. Plug the OBDII Plug the cable fits into the memory OBDII port. Press the POWER switch of the jumper device. Now the car is using the booster unit with max. 8A / 12V supplies. The vehicle battery without loss of wiring data to be changed. The loaded-start device, the vehicle for about 3.5 hours (JPR9000) with energy.

Smaller Devices about 1, 5 hours (JPR 4500), about 1 hour (JPR 2600), 40 min (JPR 1800).

When using a jumpstart our devices, JPR, we recommend to maintain the vehicle electrical system when battery replacement, use a suitable 12V power source such as a power station with at least 8A output power on the 12V output (if available). Please to see our disclaimer at the end of this manual.

### 5.6 Use of LED lighting

#### 5.6.1 LED Emergency Working Light

On the lateral sides of the jumper device are light leaks, equipped with 2 white LED mounted. To activate the emergency work light, press the power (ON OFF) switch and then the switch with the lettering SIDE-LIGHT. Output light intensity per light output approximately 1,000 lux both outlets are switched simultaneously.

#### 5.6.2 LED warning light

Under the functional control on the front of the jumper device is the LED warning light. The warning light illuminates when polarity, Falschanschuss automatically as a reference.

It is named after the POWER switch is pressed, the switch means SOS LIGHT on.

The red LED is turned off by 1x in constant light. The white LED will cycle through 2x activated as a constant light. With 3x press the switch, the red and white alternating flashing LED. Repeated actuation of the switch disables this feature. Despite the small size of the warning light, this is due to the high power LED, visible from afar in the dark. This switch also charging the status of the jumper device can be read. Turn on the unit with the **POWER** switch again.

### 5.7 load the booster unit

Upon delivery, the start device is partially loaded. Download it before the first use.

The start device must only be charged with the supplied charger.

The charger: power consumption in charge of the booster unit is initially approximately 20W, is reduced in the course of charging up to 7.5 W. Plug the charger into a 230V electrical outlet. Insert the charger plug into the side of the unit mounted charging jack labeled DC. The charging status is displayed in the function control.

The LED charge status display signals the respective charge state by a flashing LED. When charging is complete, the green LED in the function control. With green LED light-up the start device is ready to start. The start device after each jump-start operation at least until the yellow mark upload it to always be kept ready. Latest when the side of the unit mounted red LED labeled Low, the start device must be charged urgently to avoid damage to the battery. The booster function and the USB port are not available at this stage. Have you missed the charge of the star using the device and the low light is off, the lithium battery penetrate to load. Turn off the start device is NOT on, turn the LED lighting on NOT to avoid damage to the internal battery. The start device should be regularly charged at least every six months at least until the yellow mark. For longer periods of time connected to the charger is not recommended by the aging of the battery is not to speed. (S. Lagerung) to avoid.

### 5.8 Storage of the jumper device

Note that lithium batteries react sensitive to high temperatures. Store in a cool-start the device. Keep the unit away from heat sources or additional sunlight. The battery will age faster the higher their cell voltage, so it should be avoided to keep continually charged 100 percent of a Li battery. Cold storage is advantageous. The self-discharge of the lithium battery is only about 3% per month. We recommend storage at 15 ° C - 20 ° C at a load level of about 60% = YELLOW LED display. Lithium batteries should not be discharged below 2.5V per cell, even when stored. The electrolytes in the cell must not freeze, which occurs at a temperature around -25 ° C. Store or store because of the temperature sensitivity of the lithium batteries therefore not permanent in the emergency starter vehicle. Every 6 months to start using the device at least up to the mark YELLOW be loaded.

### 5.9 The USB output

The start device has a USB 2.0 output, 5V 2000mA max., The operation of loading or capable of many 5V USB products, with max. Power consumption of max. 2.0 A, is determined. The USB output is activated by pressing the POWER switch. He can power USB devices for many hours. The supply duration varies depending on the charge level of the booster unit, power and intensity of the connecting device. During a starting operation means, the supply of a USB device connected previously to be interrupted. Do not use the USB output at start. During charging, connect the jump start device to the charger, the USB output can be used. Use the USB output, even if you are not sure if the remaining battery jump start device is not in use for a longer appears too high. Charge your mobile phone, tablet PC or other USB devices to the battery level indicator shows the yellow range. (S.Lagerung) The start device with its high capacity battery can recharge devices, you also make it operational during the (holiday) drive USB compatible devices such as mobile phone, tablet PC, Kewego, or other USB. It can also be used as power source for use if your USB device on strike unexpectedly due to power shortage. It can be due to its compact dimensions and low weight, be a easily transportable, additional energy source.



### 5.10 Ttransportation inside a vehicle

If the device is transported in a vehicle, place it in a suitable location so that it can not begin to move with sudden speed and or direction changes. Keep or store the start device but not in the vehicle permanently. (See above storage)

## 6 Care and Cleaning

Check the technical safety of the jumper device, eg Damage the jumper cable or the housing. Wipe the device only with a dry cloth. Do not use liquid or chemical cleaners. Do not immerse the appliance in liquids. Never spill liquids on the unit.

## 7 Troubleshooting

With this start device you have purchased a product which has been designed according to state of the art and is reliable. However, there may be problems or disorders.

**Therefore, we would like to describe here how to fix any problems:** Troubleshooting

**No function - If the red LED on the charger, the start device has been loaded?**

- If the device is fully charged?
- Is it damaged?
- Check the mains socket of the charger, mains power is there?
- Is the jump start connector with the jumper cables correctly with the emergency starter connected?

**Device has function solution**
Jumpstart without success

- Is the start device is sufficiently charged?
- The vehicle ignition is on, this has been pressed?
- All electricity consumers in the vehicle?
- The connections to the vehicle properly with correct polarity? Check and correct if necessary
- Has the black terminal (black clip) contact, check correct if necessary
- Have the red terminal contact, check correct if necessary
- The ambient temperature outside the device limits (See technical data)

Other measures as described above are carried out exclusively by qualified personnel authorized by the manufacturer.

**Caution!** The start device may not replace a starter battery! It should not be a substitute for a starter battery used explosion! It may not be used in frozen battery (from about -25 ° C) explosion! Never connect to the vehicle body! Fire hazard for the vehicle electrical system!

## 8 Warranty:

Apply axhess general warranty conditions without Your legal rights are affected. The warranty applies only to manufacturing or material defects. The warranty period is 24 months from date of purchase. For the built in lithium battery jump starter, the warranty is limited to 24 months from date of delivery. The required, battery maintenance as described here advancing, is required. Damaged batteries due to maintenance errors, are not included in the warranty.

## 9 Disposal:

**Packing:**
The packaging is reprocessed. Place the packaging material only in the corresponding Recycle - garbage.

**Old appliance:**
If the device one day is taken out of service permanently, run it according to the applicable laws / regulations, the designated collection points to. If in doubt, contact your local waste disposal or the appropriate municipal office.



| 10 Technical Data / Model | JPR 9000 | JPR 4500 | JPR 2600 | JPR 1800 | JPR 4500 **6V** |
|---|---|---|---|---|---|
| **Integrated, high-quality lithium battery** | √ | √ | √ | √ | √ |
| **Nominal battery capacity in mA** | 9000 | 4500 | 2600 | 1800 | 4500 |
| **Battery CCA** | 486 | 243 | 184 | 97 | 234 |
| **Continuous power** | 810 | 405 | 234 | 162 | 405 |
| **Jumpstart peak power max. A** | 1000 | 600 | 400 | 162 | 600 |
| **Charging time max. (Depending on battery status also shorter) hrs** | 12 | 8 | 8 | 8 | 8 |
| **Automatic shutdown after last Action min.** | 1 | 1 | 1 | 1 | 1 |
| **Automatic shutdown after jumpstart sec** | 5 | 5 | 5 | 5 | 5 |
| **Waiting time to attempt to jumpstart sequence sec** | 30 | 30 | 30 | 30 | 30 |
| **Number Jumpstart a fully charged battery up to** | 10 | 10 | 10 | 10 | 10 |
| **a temperature in ° C +** | 10 | 10 | 10 | 10 | 10 |
| **at up - 12 ° C Temperature** | 5 | 5 | 5 | 5 | 5 |
| **Battery performance** | 1600 | 800 | 350 | 250 | 800 |
| **Battery performance / life cycle to start aids *** | √ | √ | √ | √ | √ |
| **Protective device PCM (Protektive Circuit Modul)** | √ | √ | √ | √ | √ |
| **Overheating protection** | √ | √ | √ | √ | √ |
| **Reverse polarity protection** | √ | √ | √ | √ | √ |
| **Overcharge protection Battery back current** | √ | √ | √ | √ | √ |
| **Battery back current protection** | √ | √ | √ | √ | √ |
| **Ambient temperature jump start - short-term max. to ° C** | -20 | -20 | -20 | -20 | -20 |
| **Ambient temperature jump start - Normal ° C** | -15 bis 45 | -15 bis 45 | -15 bis 45 | -15 bis 45 | -15 bis 45 |
| **Automatic shutdown at approx ° C** | 50 | 50 | 50 | 50 | 50 |
| **Ambient temperature, storage approx ° C** | -10 bis 20°C | -10 bis 20°C | -10 bis 20°C | -10 bis 20°C | -10 bis 20°C |
| **Jumper cable set Length mm / mm cable diameter** | 570 / 10 | 570 / 10 | 570 / 10 | 570 / 10 | 570 / 10 |
| **IP Class** | 20 | 20 | 20 | 20 | 20 |
| **Charger Input 100-204VAC 50/60Hz** | √ | √ | √ | √ | √ |
| **Output 12VDC 1A Charger** | √ | √ | √ | √ | √ |
| **Travel Charger Length approx 150 cm** | √ | √ | √ | √ | √ |
| **USB Outlet 5V 2000mA** | √ | √ | √ | √ | √ |
| **Unit dimensions (LxWxH) mm** | 190x160x45 | 192x135x45 | 192x135x45 | 192x135x45 | 192x135x45 |
| **Unit weight without cable kg** | 1,200 | 0,835 | 0,720 | 0,675 | 0,690 |
| **Accessories** | | | | | |
| **12V charging cable** | √ | √ | √ | optional | optional |
| **Storage Bag** | √ | √ | √ | √ | √ |
| **OBDII cable for power conservation when changing batteries** | √ | no | no | no | no |
| **AC charger** | √ | √ | √ | √ | √ |

* optimal battery maintenance and storage

# Starthilfegerät & USB Power Bank

## Einsatzoptionen der JPR Modellvarianten nach Leistung

| Profi Power "Power Punch" JPR 12V Modell | 12V Quad Motorroller Motorrad | | 12V BENZINER | | | | | | 12V DIESEL | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 4 Zylinder bis 1600cm³ | | 4 Zylinder 1500 cm³ bis 2500 cm³ | | 4 und 6 Zylinder 2500cm³ bis 4000cm³ | | 4 Zylinder 1400 cm³ bis 2000cm³ | | 4 und 6 Zylinder 2000cm³ bis 3000cm³ | |
| | Tief entladene Batterie | 50% geladene Batterie | Tief entladene Batterie | 50% geladene Batterie | Tief entladene Batterie | 50% geladene Batterie | Tief entladene Batterie | 50% geladene Batterie | Tief entladene Batterie | 50% geladene Batterie | Tief entladene Batterie | 50% geladene Batterie |
| JPR 9000 (Max Power 1000 A) | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK | OK |
| JPR 4500 (Max Power 600 A) | OK | OK | OK | OK | OK | OK | | OK | | OK | Nein | OK |
| JPR 2600 (Max Power 400 A) | OK | OK | OK | OK | | OK | Nein | | Nein | | Nein | Nein |
| JPR 1800 (Max Power 280 A) | OK | OK | | OK | Nein | | Nein | Nein | Nein | Nein | Nein | Nein |
| JPR 4500 / 6V (Max Power 600 A) 6V | OK **6V** | OK **6V** | OK **6V** | OK **6V** | OK **6V** | OK **6V** | **6V** | OK **6V** | **6V** | OK **6V** | Nein | OK **6V** |

| | |
|---|---|
| OK | JPR hat ausreichend Power das Fahrzeug zu starten |
| evtl. | JPR kann Startunterstützung geben, abhänig vom Zustand der Empfängerbatterie |
| Nein | JPR hat nicht genug Power das Fahrzeug zu starten |

Ergänzender Hinweis: **Verwendung einer Power Station zur Spannungsversorgung / Spannungserhaltung eines Fahrzeuges bei Batteriewechsel.** Verbinden Sie ein 12V auf 12V Kabel mit der Power Station (12V Ausgang ) und der Bordsteckdose oder Zigarettenanzünder-Buchse des Fahrzeuges. Schalten Sie die Power Station ein, Freigabe Stromversorgung. Die Power Station muss voll geladen sein und über einen separaten 12V Ausgang verfügen. Geeignete Power Stationen sehen Sie bitte unter **www.axhess.de**

axhess GmbH & Co. KG, Industriestrasse 11, 56598 Rheinbrohl, **www.axhess.de**



**11 Konformität**

Dieses Produkt erfüllt die Anforderungen der geltenden europäischen und nationalen Richtlinien. Die Konformität wurde nachgewiesen, die entsprechende Erklärung und Dokumente sind beim Hersteller hinterlegt.